

In re Application of: Tamar HAREL et al  
Serial No.: 10/526,708  
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Examiner: FLORY, Christopher A.  
Group Art Unit: 3762  
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**In the Claims:**

1. (Currently amended) A method of glucose level control, comprising:  
providing at least one implanted electrode adapted to for applying an electric field to affect a pancreas; and  
applying an electric field to affect the pancreas using said at least one implanted electrode such that blood glucose levels are significantly reduced and blood insulin levels are not significantly increased.
2. (Currently amended) A method according to claim 1, comprising subsequently applying a second electric field to affect said pancreas, which second field increases insulin levels.
3. (Original) A method according to claim 1, wherein said electric field is operative to reduce glucagon secretion.
4. (Original) A method according to claim 1, wherein said electric field is operative to reduce glucose secretion by a liver physiologically coupled to said pancreas.
5. (Original) A method according to claim 1, wherein said electric field is operative to increase glucose uptake by cells in a body containing said pancreas.
6. (Original) A method according to claim 1, wherein said electric field is operative to affect nervous tissue in said pancreas.